Annual Examination	PHYSICS	2018-19

Section – A

Multiple Choice Questions (MCQ'S)

Q.1 Choose the correct answer for each from the given options.

1. Ibn-ul-Haitham contributed toward __________ Physics.
   (a) Nuclear (b) Oceanographic (c) Optical (d) Thermal
2. One meter is equal to __________.
   (a) $10^3 \eta m$ (b) $10^6 \eta m$ (c) $10^9 \eta m$ (d) $10^{12} \eta m$
3. Rate of displacement with respect to time is known as __________.
   (a) Speed (b) Velocity
   (c) Acceleration (d) Uniform acceleration
4. The unit of coefficient of Friction is __________.
   (a) Newton (b) Kilogram (c) Meter (d)None of these
5. We use a __________ to disperse white light into different colours.
   (a) Convex lenses (b) Prism
   (c) Convex mirror (d) Concave mirror
6. The turning effect of a force about an axis is __________.
   (a) Force (b) Rotation (c) Torque (d) Momentum
7. Power is defined as __________.
   (a) Rate of change of position (b) Rate of change of force
   (c) Time rate of doing work (d) None of these
8. Which of the following belongs to third kind of lever?
   (a) Pair of scissor (b) Forceps (c) Door (d) None of these
9. The number of prisms in periscope is __________.
   (a) One (b) Two (c) Three (d) Four
10. A motion which repeats itself in equal interwals of time is called __________.
    (a) Loudness (b) Amplitude (c) Time period (d) Frequency
11. 1hp = __________ watts.
    (a) 746 (b) 644 (c) 580 (d) 640
12. If $\overrightarrow{F_x}$ and $\overrightarrow{F_y}$ are rectangular components of force $\vec{F}$ the $\tan\theta =$ __________.
    (a) $\frac{\overrightarrow{F_x}}{\overrightarrow{F_y}}$ (b) $\frac{\overrightarrow{F_y}}{\overrightarrow{F_x}}$ (c) $\overrightarrow{F_x} - \overrightarrow{F_y}$ (d) $\overrightarrow{F_x} + \overrightarrow{F_y}$
13. Gravitational acceleration acts on bodies vertically __________.
    (a) Upward (b) Downward (c) Inwards (d)None of these
14. The relation between electric current and the magnetic field was discovered.
    (a) Newton (b) Faraday (c) Fleming (d) Oersted
15. Archimede's principle is applied to determine.
    (a) Specific heat (b) Specific gravity
    (c) Specific resistance (d) None of these
16. In a fission process which partial causes a uranium -235 nucleus to split?
    (a) Alpha (b) Gamma Rays (c) Neutron (d) Proton
17. The pupil of eye control is __________.
    (a) The focal length of eye
    (b) The range of accommodation of eye
    (c) The amount of light the eye
    (d) The distance of distinct vision